

# Otay



Enrico Fermi Drive



Otay Mesa Road



Alta Road

## Overview

Otay is comprised of two large specific plans and preserved open space. The future road network is generally confined to the East Otay Mesa Specific Plan, which is an industrial development along the international border. Along the northern edge of the Lower Otay Reservoir, Otay Ranch also has proposed a resort community which will be served by Otay Lakes Road.

The recommended CE road network for East Otay Mesa is equivalent to the classifications already approved for the specific plan with one addition, Ellis Road. Within the East Otay Mesa Specific Plan, most planned roadways have not yet been built. Construction of both State Route 905 and State Route 11 are part of the SANDAG Regional Transportation Plan (RTP) and will provide border crossings.

## Planning Group Preferences

The Otay Subregion is not represented by a planning/sponsor group. However staff did consult with representatives from Otay Ranch and with the consultant who served as the County's project coordinator for East Otay Mesa. There was consensus among those who participated.

## Key Issues

### *Caltrans*

Caltrans is scheduled to complete State Route 905 and State Route 11 as part of the RTP. Both of these state routes impact the East Otay Mesa Specific Plan and will provide international points of entry. Caltrans has not yet identified exactly where State Route 11 will cross the border or where the interchanges will be built. However, the GP2020 proposed network recommends a full interchange at Enrico Fermi Drive and at Siempre Viva Road. At the recommendation of the project coordinator for East Otay Mesa, the staff recommended network shows a realignment of Loop Road, Airway Road and Siempre Viva Road to provide better access to State Route 11.

*East Otay Mesa Specific Planning Area*

The regional traffic model, used to forecast the traffic volumes for GP2020, was not designed to adequately analyze project level traffic impacts. Because the Otay Subregion is largely undeveloped and serves as an important biological preserve, the level of industrial development within East Otay Mesa will yield less traffic than forecasted by the regional model. Although model results show that portions of some roadways do not perform at an acceptable level of service, the detailed analysis required for individual projects will provide a more accurate assessment based on actual impacts of the proposed development.

*Otay Lakes Road*

Otay Ranch has submitted a Specific Plan that proposes amendments to the Subregional Plan. Based on the outcome, the alignment of Otay Lakes Road may be modified to meet DPW requirements and better serve the development at Village 13.

**Board Alternative Map  
Network**

A separate CE road network is not recommended for the Otay subregion.

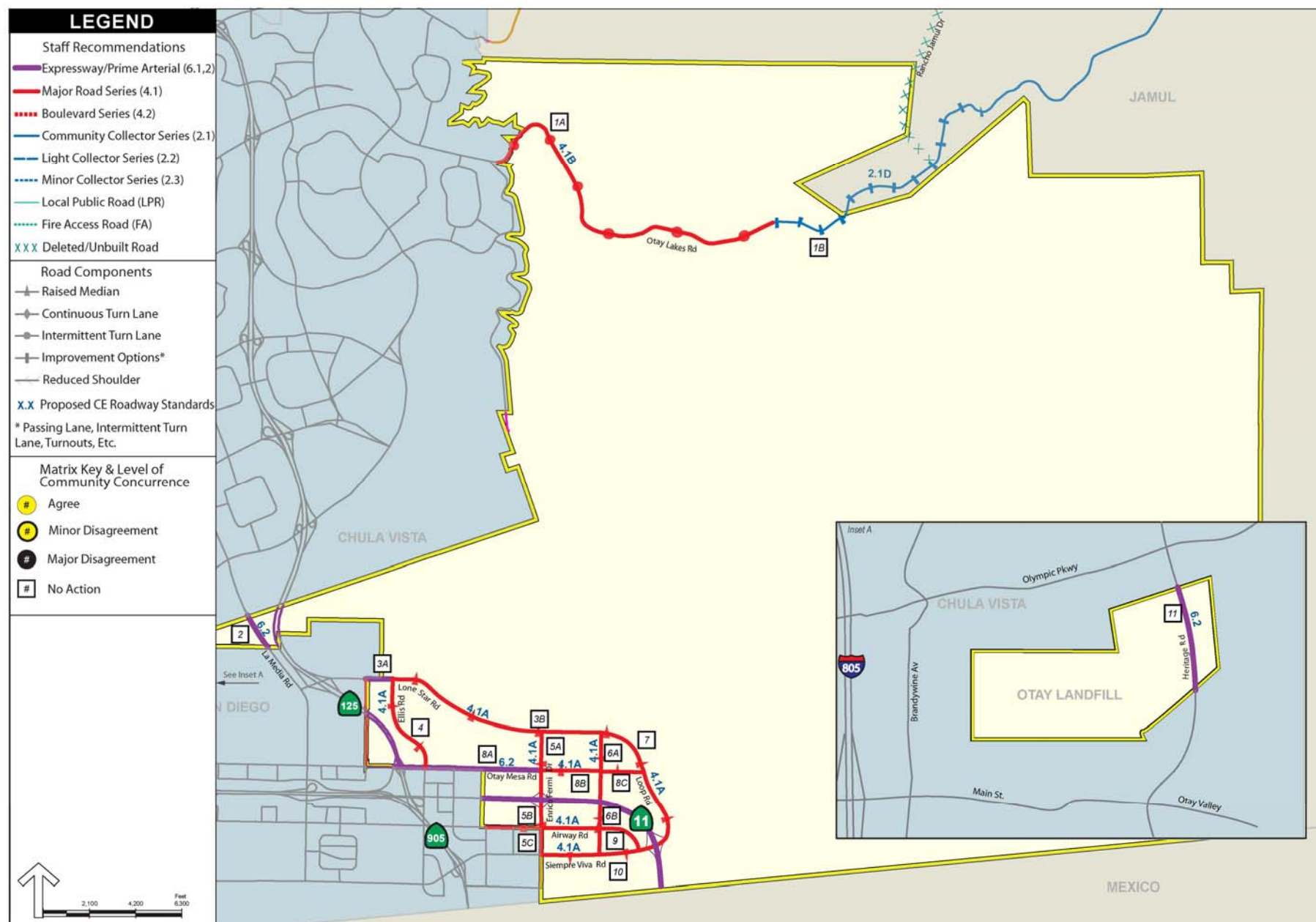
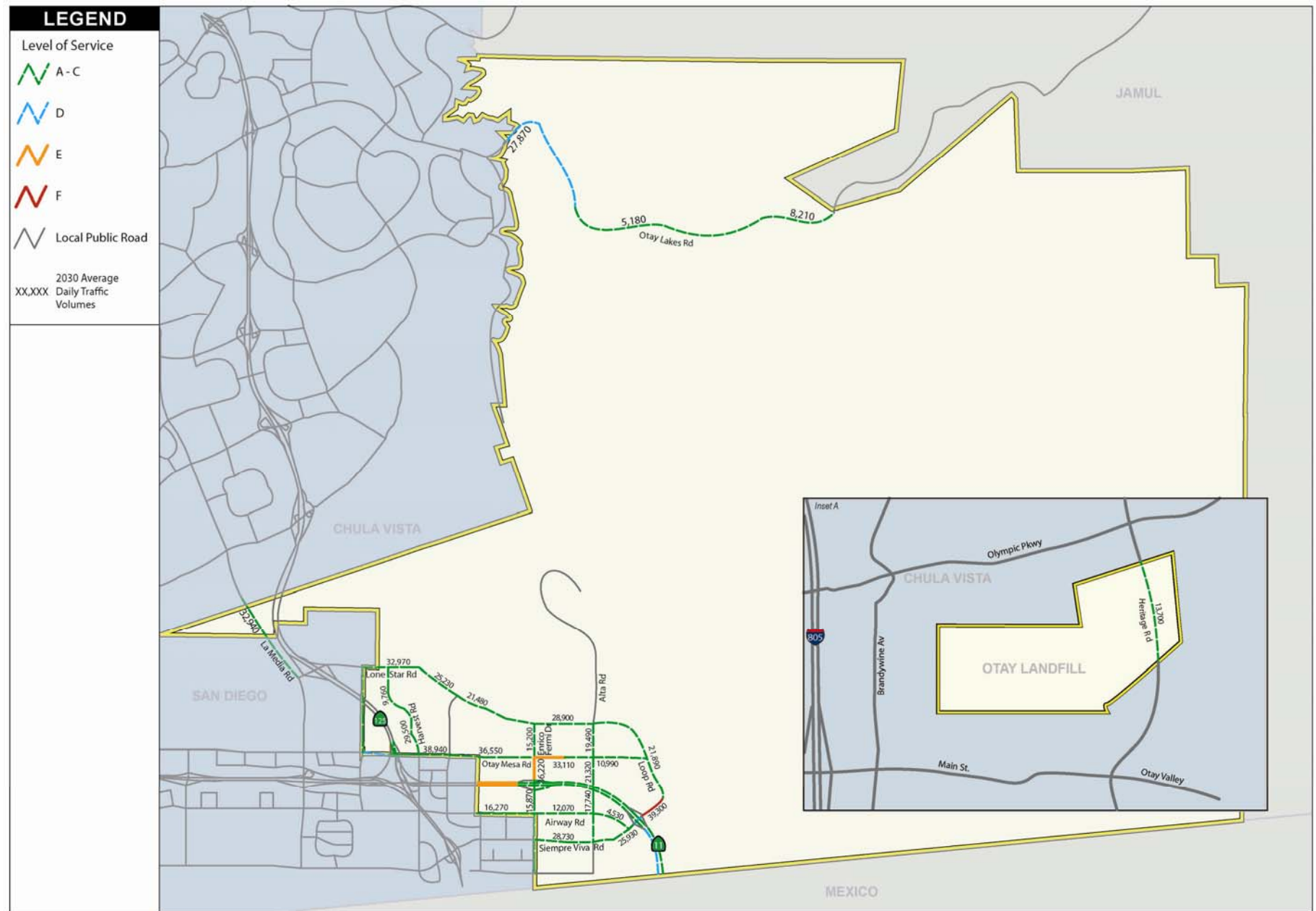


Figure OTY-1: Proposed CE Road Network



July 18, 2006

Figure OTY-2: Level of Service and Average Daily Traffic Volumes - Proposed CE Road Network

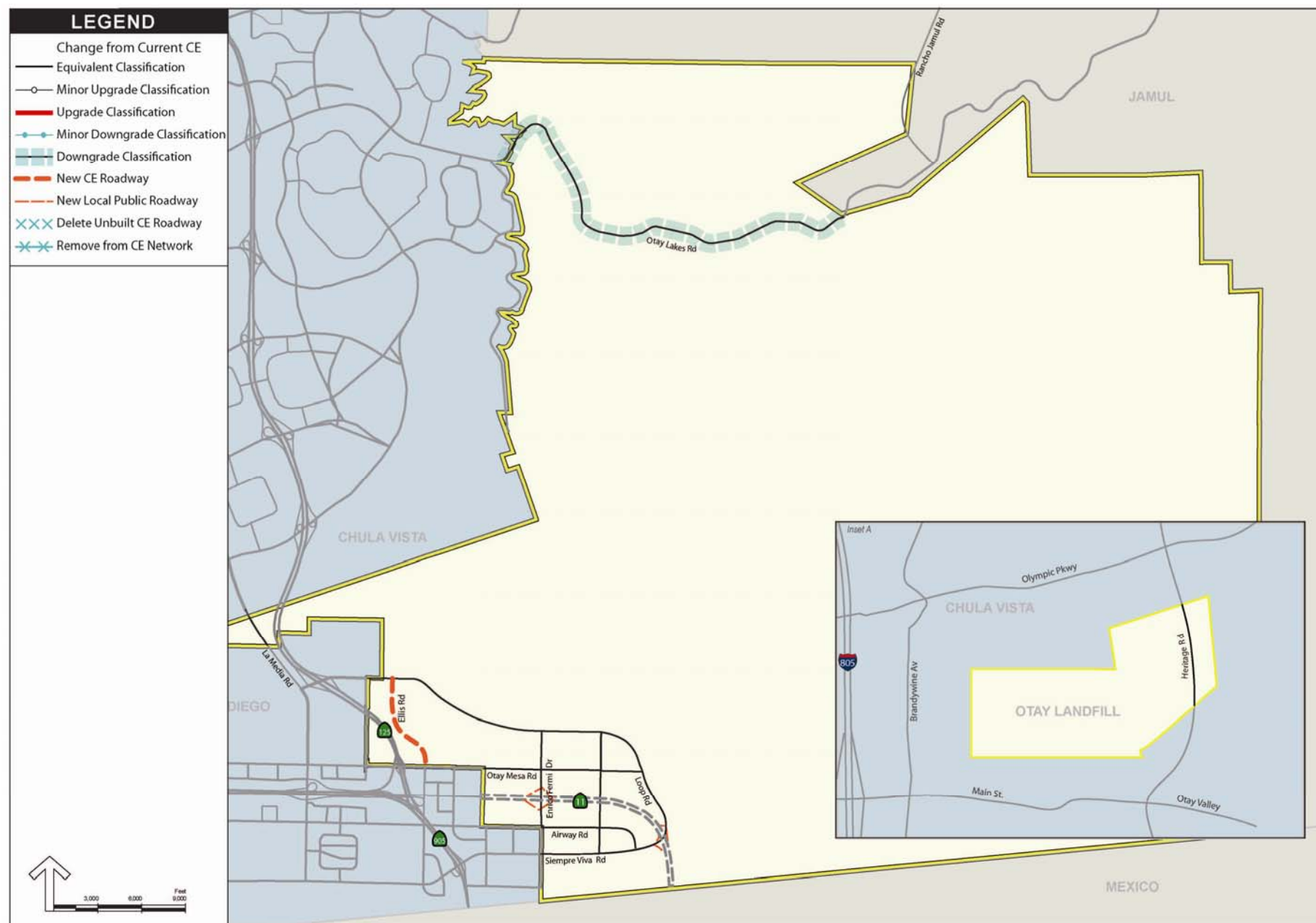


Figure OTY-3: Changes to Current CE Network

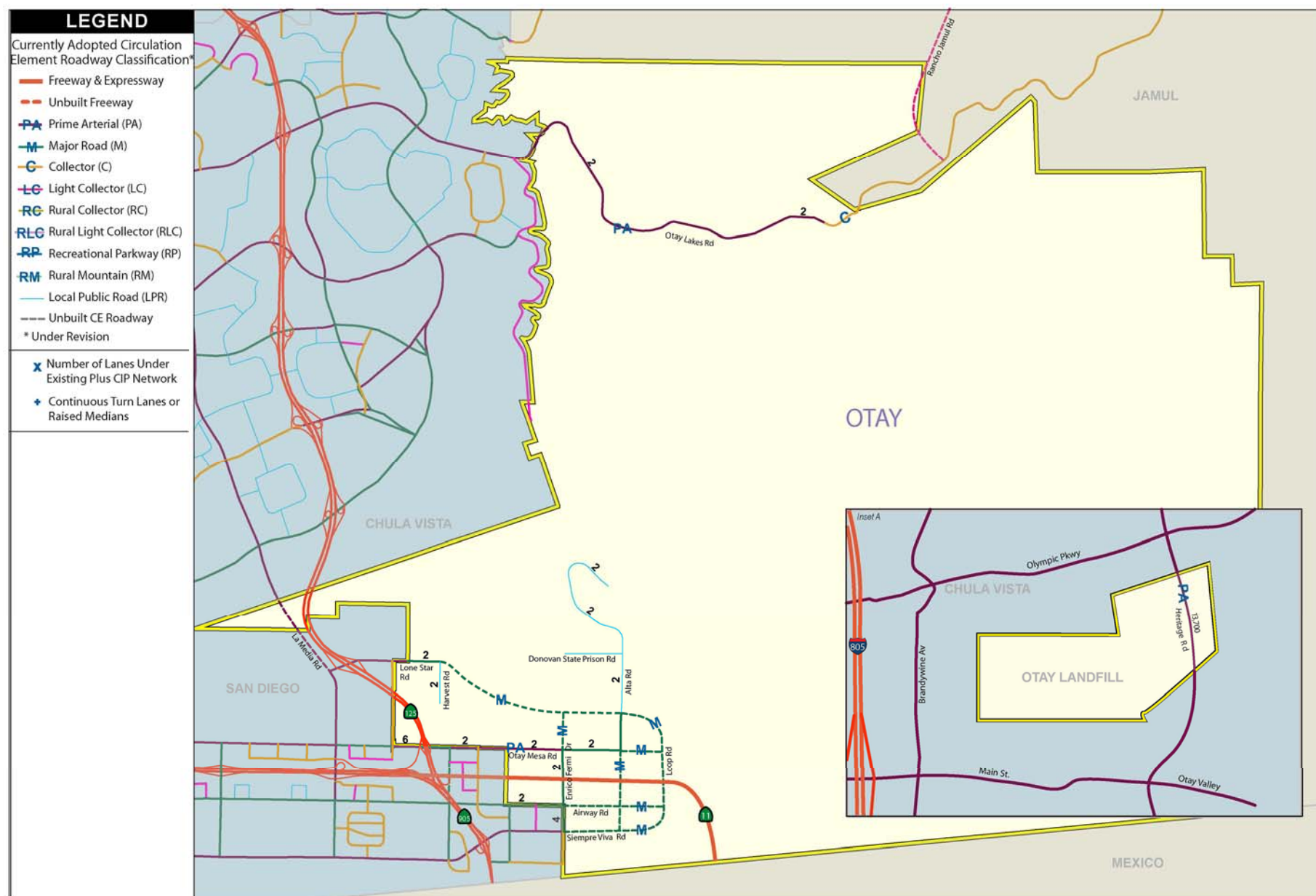


Figure OTY-4: Existing Plus CIP Network

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
<b>1A Otay Lakes Road (SF 1396)</b> <u>Segment:</u> Chula Vista boundary to the eastern edge of the reservoir <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Prime Arterial (6 lanes)	<b>Downgrade Classification</b> 4.1B Major Road with Intermittent Turn Lanes (4+ lanes)	<ul style="list-style-type: none"> <li><i>Road Capacity</i> – A 4-lane road is sufficient to meet projected traffic volumes.</li> <li><i>Support Land Use Goals</i> – A 4-lane road segment provides a transition from the 2-lane segment to the east and the higher capacity roads of Chula Vista to the west.</li> </ul>
<b>1B Otay Lakes Road (SF 1396)</b> <u>Segment:</u> The eastern edge of the reservoir to the Jamul/Dulzura boundary <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 lanes)	<b>Downgrade Classification</b> 2.1D Community Collector with Improvement Options (2+ lanes)	<ul style="list-style-type: none"> <li><i>Road Capacity</i> – A 2-lane road with a passing lane is sufficient to meet projected traffic volumes, and the road type is consistent with the classification in Jamul/Dulzura.</li> </ul>
<b>2 La Media Road (SA 1103)</b> <u>Segment:</u> Entire length within the Otay planning area <u>Existing Condition:</u> Unbuilt CE Road <u>Current Classification:</u> Prime Arterial (6 lanes)	<b>Equivalent Classification</b> 6.2 Prime Arterial (6 lanes)	<ul style="list-style-type: none"> <li><i>Interjurisdiction Issue</i> – This small unbuilt segment is part of a major roadway that is identified on the circulation plans for Chula Vista and the City of San Diego.</li> </ul>
<b>3A Lone Star Road (SC 2340)</b> <u>Segment:</u> City of San Diego boundary to Ellis Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Prime Arterial (6 lanes)	<b>Equivalent Classification</b> 6.2 Prime Arterial (6 lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> – This classification is consistent with the classification assigned in the East Otay Mesa Specific Plan.</li> </ul>
<b>3B Lone Star Road (SC 2340)</b> <u>Segment:</u> Ellis Road to Loop Road <u>Existing Condition:</u> Unbuilt CE Road <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> – This classification is consistent with the classification assigned in the East Otay Mesa Specific Plan.</li> </ul>

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
<b>4 Ellis Road extension</b> <u>Segment:</u> Lone Star Road south to merge with Harvest Road at a point just north of Otay Mesa Road <u>Existing Condition:</u> Unbuilt <u>Current Classification:</u> None	<b>New CE Road</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li>• <i>Maximize Traffic Movement</i> – This road will provide an additional north/south link to distribute traffic to State Route 125.</li> <li>• <i>Road Capacity</i> – A 4-lane road is needed to meet projected traffic volumes.</li> <li>• <i>Community Consensus</i> – This new road is consistent with the current East Otay Mesa Specific Plan.</li> </ul>
<b>5A Enrico Fermi Drive (SA 1105)</b> <u>Segment:</u> Lone Star Road to Otay Mesa Road <u>Existing Condition:</u> Unbuilt <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li>• <i>Support Land Use Goals</i> – Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan.</li> </ul>
<b>5B Enrico Fermi Drive (SA 1105)</b> <u>Segment:</u> Otay Mesa Road to Airway Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li>• <i>Support Land Use Goals</i> – Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan. The portion of the road north of State Route 11 shows an unacceptable service level but the volume does not justify a 6-lane road.</li> </ul> <p><b>Note: Portion has failing LOS; Unfunded Caltrans Improvements: A full interchange should be constructed at State Route 11</b></p>
<b>5C Enrico Fermi Drive (SA 1105)</b> <u>Segment:</u> Airway Road to Siempre Viva Road <u>Existing Condition:</u> 4 lanes <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li>• <i>Support Land Use Goals</i> – Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan.</li> </ul>

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
<b>6A Alta Road (SA 1112)</b> <u>Segment:</u> Lone Star Road south to Otay Mesa Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> –Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan.</li> </ul>
<b>6B Alta Road (SA 1112)</b> <u>Segment:</u> Otay Mesa Road south to Siempre Viva Road <u>Existing Condition:</u> Unbuilt <u>Current Classification:</u> Major Road (4+ lanes) <u>CIP Network:</u> No LOS (unbuilt)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> –Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan.</li> </ul>
<b>7 Loop Road (SA 1111)</b> <u>Segment:</u> Entire segment <u>Existing Condition:</u> unbuilt <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> –Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan. However, upon the recommendation of the County’s project coordinator for East Otay Mesa, staff proposes a new general alignment to accommodate State Route 11.</li> </ul>
<b>8A Otay Mesa Road (SA 1120)</b> <u>Segment:</u> Western boundary east to Enrico Fermi Drive <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Prime Arterial (6 lanes)	<b>Equivalent Classification</b> 6.2 Prime Arterial (6 lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> –Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan.</li> </ul>
<b>8B Otay Mesa Road (SA 1120)</b> <u>Segment:</u> Enrico Fermi Drive to Alta Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> –Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan.</li> </ul> <p><b>Note: Portion has failing LOS</b></p>

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
<b>8C Otay Mesa Road (SA 1120)</b> <u>Segment:</u> Alta Road to Loop Road <u>Existing Condition:</u> Unbuilt <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> –Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan.</li> </ul>
<b>9 Airway Road (SC 2300)</b> <u>Segment:</u> Enrico Fermi Drive to new connection with Siempre Viva Road <u>Existing Condition:</u> Unbuilt <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> –Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan. At the recommendation of the County’s project coordinator for East Otay Mesa, the eastern portion of the road was realigned to meet the extension of Siempre Viva Road. providing access to State Route 11.</li> </ul>
<b>10 Siempre Viva Road (SC 2360)</b> <u>Segment:</u> Enrico Fermi Drive to new alignment of Loop Road <u>Existing Condition:</u> Unbuilt <u>Current Classification:</u> Major Road (4+ lanes)	<b>Equivalent Classification</b> 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <li><i>Support Land Use Goals</i> –Classification is consistent with the classification assigned in the East Otay Mesa Specific Plan. At the recommendation of the County’s project coordinator for East Otay Mesa, the general alignment of the road was changed to meet the modified alignment of Loop Road and to provide improved access to State Route 11. A small portion of the road east of State Route 11 exhibits a failing service level.</li> </ul> <p><b>Note: Portion has failing LOS; Unfunded Caltrans Improvements: A full interchange should be constructed at State Route 11</b></p>
<b>11 Heritage Road (SC2236)</b> <u>Segment:</u> Entire segment within Otay Landfill <u>Existing Condition:</u> Unbuilt <u>Current Classification:</u> Prime Arterial (6 lanes)	<b>Equivalent Classification</b> 6.2 Prime Arterial (6 lanes)	<ul style="list-style-type: none"> <li><i>Interjurisdiction Issue</i> – This small road segment is imbedded within the circulation system of the City of Chula Vista.</li> </ul>